10/660,014 Boykin et al. REPLACEMENT Mechanism for Loading Plugin Classes at an SHEET Appropriate Location in the Class Loader Hierarchy 3/7 502~ **APPLICATION** 504 APPLICATION **CLASS LOADER 1 CLASS LOADER 2** 510-SYSTEM CLASS LOADER FIG. 5A (PRIOR ART) **EXTENSION CLASS LOADER** 520-**BOOT CLASS LOADER** 530 502~ 504 **APPLICATION APPLICATION CLASS LOADER 1 CLASS LOADER 2** 562 510~ AppClass2 SYSTEM CLASS LOADER EXTENSION CLASS LOADER 520 FIG. 5B AppClass1 **BOOT CLASS LOADER** 530 (PRIOR ART) 552 Plug-In1 Plug-In2 564 554 502 504 APPLICATION CLASS LOADER 1 **APPLICATION CLASS LOADER 2** 510 SYSTEM CLASS AppClass3 AppClass4 Plug-In3 Plug-In4 **LOADER** 574 572 584 582 **EXTENSION CLASS LOADER** -520 FIG. 5C **BOOT CLASS**

LOADER

530

(PRIOR ART)